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# Molecular Clock

Behaviorism

tradeoff

Demis Hassabis Deepmind potentially a meta-solution to any problem Deepmind Reward is Enough

“causation” Demis Hassabis any problem

Demis Hassabis any problem

[illegible]

SAE level 4

Waymo SAE level 4  
Waymo crash data trade secret data

SAE level 4

AlphaGo Zero

Leukotomy Leukotomy selfish gene

logical positivism logical empiricism

Universal Approximation Theorem Nash Embedding Theorems  
word-embedding Vector Space

Deepmind AlphaGo Zero

reward Deepmind Reward is Enough

A Treatise on Probability causation

causation 因果關係

causation 因果關係

causation 因果關係

1. causation 因果關係

2. causation 因果關係

3. causation 因果關係

causation 因果關係

Marc Aurel Stein John Leighton Stuart

causation 因果關係

causation 因果關係

Demis Hassabis

causation 因果關係

Totally Ordered Set

causation 因果關係

causation 因果關係

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causation 因果關係



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context

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Historiae  
 Naturalis Philosophiae Naturalis scientia naturalis  
 Philosophiae

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Are there really many worlds in the "Many-worlds interpretation" of Quantum Mechanics?the development of «decoherence theory» revealed that, using the standard formalism of quantum mechanics, macroscopically distinct branches of the wavefunction were almost entirely free from interference and evolve approximately classically almost

The Many-worlds Interpretation

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[illegible]

SAE level 4  
SAE level 4  
SAE level 5

1. [UTStarcom](#)
- 2.
3. WebEx, Zoom
4. Aldebaran Robotics ARM Pepper

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[illegible]

common sense

Historia Naturalis

[illegible]



Philosophiae Naturalis

Philosophiae  
Naturalis scientia naturalis

Marvin Minsky The Emotion Machine: Commonsense Thinking, Artificial Intelligence, and the Future of the Human Mind emotion machine Turing Test

Minsky

AI: A Modern Approach SAE level 4

Pepper

consciousness

killing